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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/964,739	09/28/2001	Woong Kwon Kim	043694-5015-03	2171

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EXAMINER

HON, SOW FUN

ART UNIT PAPER NUMBER

1772

DATE MAILED: 10/08/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

A-916

**Advisory Action**

Application No.

09/964,739

Applicant(s)

KIM, WOONG KWON

Examiner

Sow-Fun Hon

Art Unit

1772

**--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

THE REPLY FILED 16 September 2003 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE. Therefore, further action by the applicant is required to avoid abandonment of this application. A proper reply to a final rejection under 37 CFR 1.113 may only be either: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114.

**PERIOD FOR REPLY [check either a) or b)]**

- a) ☒ The period for reply expires 3 months from the mailing date of the final rejection.
- b) ☐ The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection. ONLY CHECK THIS BOX WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

1. ☐ A Notice of Appeal was filed on \_\_\_\_\_. Appellant's Brief must be filed within the period set forth in 37 CFR 1.192(a), or any extension thereof (37 CFR 1.191(d)), to avoid dismissal of the appeal.
2. ☐ The proposed amendment(s) will not be entered because:
- (a) ☐ they raise new issues that would require further consideration and/or search (see NOTE below);
  - (b) ☐ they raise the issue of new matter (see Note below);
  - (c) ☐ they are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
  - (d) ☐ they present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: \_\_\_\_\_.

3. ☐ Applicant's reply has overcome the following rejection(s): \_\_\_\_\_.
4. ☐ Newly proposed or amended claim(s) \_\_\_\_\_ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).
5. ☒ The a) ☒ affidavit, b) ☐ exhibit, or c) ☒ request for reconsideration has been considered but does NOT place the application in condition for allowance because: See attachment to advisory action.
6. ☐ The affidavit or exhibit will NOT be considered because it is not directed SOLELY to issues which were newly raised by the Examiner in the final rejection.
7. ☐ For purposes of Appeal, the proposed amendment(s) a) ☐ will not be entered or b) ☐ will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.

The status of the claim(s) is (or will be) as follows:

Claim(s) allowed: \_\_\_\_\_.

Claim(s) objected to: \_\_\_\_\_.

Claim(s) rejected: \_\_\_\_\_.

Claim(s) withdrawn from consideration: \_\_\_\_\_.

8. ☐ The proposed drawing correction filed on \_\_\_\_\_ is a) ☐ approved or b) ☐ disapproved by the Examiner.
9. ☐ Note the attached Information Disclosure Statement(s) (PTO-1449) Paper No(s). \_\_\_\_\_.
10. ☒ Other: Attachment to advisory action.

*Attachment to Advisory Action*

1. The request for reconsideration has been fully considered and does not place the application in condition for allowance for the reasons set forth below.
2. Applicant argues that the specification supports the claim recitation of an organic layer being able to impart a compressive stress to the underlying glass substrate after curing via ultraviolet light irradiation.

Applicant is respectfully informed that original claims 7 and 15 further define the organic layer of claims 5-6, 13-14 as having a viscosity coefficient of several cp to several ten cp. The viscosity values are very low and represent those of liquid organic molecules before crosslinking or curing. The request for reconsideration in Paper # 14 and declaration in Paper # 15 (both filed 09/16/03) further reinforce the examiner's position that the organic layer having a viscosity coefficient of several cp to several ten cp cannot impart a compressive stress to the underlying glass substrate. The declaration states that this is possible only after curing via ultraviolet light irradiation. The ultraviolet light crosslinks the organic molecules since the curing of a thermosetting resin effects crosslinking. Applicant's declaration states that the shrinkage of the organic layer imparts a compressive stress to the underlying glass substrate after curing via ultraviolet light irradiation. The crosslinking of the organic molecules causes the viscosity coefficient to increase dramatically above and beyond several cp to several ten cp.

3. Applicant argues that the protective layer of the present application has a tensile force that imparts a compressive stress to the glass surface.

Applicant is respectfully reminded that the disclosure of the present application states that "the protective layer may be an inorganic matter having a compressive stress" (column 4, lines

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20-25). Thus the inorganic protective layer of Applicant has a compressive stress which reads on Kitayama et al.'s statement that the "chemically reinforced glass substrate has a compressive stress in the surface thereof" ('057, column 6, lines 60-62). Applicant is respectfully requested to review the disclosure for support of the recitation of the protective layer having tensile force that imparts a compressive stress to the glass surface.

Any inquiry concerning this communication should be directed to Sow-Fun Hon whose telephone number is (703)308-3265. The examiner can normally be reached Monday to Friday from 9:00 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Harold Pyon, can be reached on (703)308-4251. The fax phone number for the organization where this application or proceeding is assigned is (703)872-9311.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)308-0661.

SH  
Sow-Fun Hon  
10/08/03

  
HAROLD PYON  
SUPERVISORY PATENT EXAMINER  
1772 10/8/03